CURRICULUM VITAE

Prof. ASLAM PERVEZ MEMON
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Personnel Details:

Name:	Engr. Aslam Pervez Memon.
Father's name:	Imam Bux
Date of Birth:	11-02-1968.
Place of Birth:	U-C-I, Hala 70120, Matiari, Sindh Pakistan.
N.I.C No:	41301-6907184-9.
Passport No:	AR0201841
Marital Status:	Married.
Nationality:	Pakistani.
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Present Address (Office):	Department of Electrical Engineering, Quaid-e-Awam University of Engineering, Science and Technology (QUEST), Nawabshah Sindh, Pakistan. Telephone: +92-0244-9370356.

Qualifications:

Matriculation:	(1985), B.I.S.E (Hyd), A-I grade (84.82%), Science.
Intermediate:	(1987), B.I.S.E (Hyd), A grade (70.09%), Pre.Engg.
Bachelor of Engineering:	(1993) from Mehran University of Engineering and Technology, Jamshoro, A-I (89.36%) in Electrical Engg.
M. Phil (Full time):	(2003) from Mehran University of Engineering and Technology, Jamshoro.
Research Topic:	*"Artificial Neural Network Applications in Electrical Alternator Excitation System".*
Ph. D (full time):	Registered Ph. D student, Mehran U.E.T, Jamshoro, Sindh, Pakistan

Experience:

Lecturer, Department of Electrical Engineering, Quaid-e-Awam University of Engineering, Science and Technology (QUEST), Nawabshah Sindh from 17-08-1996 up to May 2003.

Assistant Professor, from May 2003 up to now.

Computer Skills:

MS Word, MS PowerPoint, MS Excel
MS Visio, MS Equation Editor
Matlab (Basics and m-files)
Matlab (toolboxes, SimPowerSystems, Neural Networks, and Wavelet)
Matlab (Programming)
Matlab (Simulink)
Electron Work Bench
PSpice
PSCAD

Courses/Seminar attended:	Participated in 1st International Conference on "Role of Energy Resources in Sustainability of Environment" QUEST, Benazirbhuttoabad, Sindh, Pakistan, 26-28 Feb, 2009.
	Power Economic and Dispatch (N.E.D, University of Engineering & Technology, Karachi, 2008)
	Filter Design theory and Application (Hamdard University, Karachi, 2008)
	Certificate course of Mehran UET Library & On-line Information Center, "e-Journal, e-brary Database and OPACs Awareness" October 2007.
	Certificate course of Higher Education commission of Pakistan "Introduction to Digital Library Resources and their Effective Usage", October 2005, at QUEST, Nawabshah.

Bachelor of Engineering (B.E)
Subjects Taught:

Basic Electrical Engineering (B.E Es Student)
Electrical Engineering I & II (B.E EL students)
Basic Electronics (B.E EL students)
Electronics I & II (B.E EL students)
Electrical Machines I & II (B.E EL students)
Generalized Machine Theory (B.E EL students)
Digital Logic Design (B.E EL& Es students)
Advanced Electrical Machines & Drives (B.E EL students)
Circuit Analysis (B.E Es Student)
Power Electronics (B.E EL students)
Linear Electrical Circuits (B.E EL students)
Power System Protection (B.E EL students)

Master of Engineering (M.E)
Course Taught

Power Electronics
Generalized Electrical Machine Theory (MATLAB applications)
Power System Analysis
Electrical Power Quality

Master of Engineering (M.E)

Thesis

01 has passed MPE examination (Thesis) under co-supervision,
0 Students are working under co-supervision and 02 as supervision.

Seminar/Short Courses:

"Introduction to Matlab for Engineers" (for teachers, students and industrialists held at QUEST).
"PSB for Electrical Engineers" (For students at QUEST).
"EWB and SimPowerSystems for Electronic and Electrical Final year students" (at QUEST).
"Techniques of MATLAB for Electronic and electrical engineers"
"Techniques of MATLAB/Simulink/PSB for Electronic and Electrical Engineers" (For students at QUEST).
Modeling & Simulation in Matlab/Simulink (For students at QUEST).

Undergraduate Projects:

Computer Based simulation of PID AVR excitation system of synchronous generator.
Computer Based Simulation of Power System control.
Modeling and Simulation of Synchronous Generator in MATLAB
Modeling Simulation and Design method for Speed Control of DC Motor
Simulink Knowledge of Matlab
Simulation Technique of Power System & Power Electronics
PID Control of DC Motors in Matlab.
Artificial Neural Network Control of DC Motor.

Introduction of Power System Blockset Tool Box of Matlab
Computer Based Simulation Technique of Synchronous Generator Powered by Hydraulic Turbine with Excitation and Governor Systems.
Steady state response of synchronous generator.
Introduction to Electrical Power Quality
Simulation of power quality problems in Matlab
Study of power system harmonics in Matlab/Simulink
Computer based simulation of power electronics
Modeling and simulation of electrical power system
Three phase electrical machine & their modeling in Matlab
Application of wavelet transform in power system
Time Scale analysis in transient response of power quality
Detection of Harmonics with wavelet
FFT analysis technique for harmonics in Matlab
Software Based Modeling and Simulation of AC Motor Drives with Power Converters
Application of Matlab/PSB to the Operation of DC Motor Drive
Modeling and Simulation of Power Converters in PSCAD

Membership:

Permanent Member of Pakistan Engineering Council (PEC) (ELECT / 11508). Applied for IEEE Trans PS and Institute of Engineering Pakistan.
Syndicate and Senate member for one tenure.
Secretary General of QUTA for two tenures.
Member International Association of Engineering (IAENG)
Society of Electrical Engineering

Field of interest:

Electrical Power Quality, Harmonics, Power Electronics, Neural Networks, AC and DC Machines, Wavelet Transformation, Simulation of Power Systems Analysis and Electrical Power Quality Disturbances in Matlab/Simulink/PSB/SimPowerSystems.

Language Skills:

English: Good at reading, writing and spoken.
Urdu: National, language, good at the aspects of language.
Sindhi: Good at all aspects of language.

Publications:

M.A. Unar, M.A. Solangi and Aslam. Memon, "Modelling of Ship Dynamics Using Local Model Networks", *Quid-e-Awam University Research Journal of Engineering, Science and Technology*, Vol.1, No. 1, Jan-June 2000.

Aslam. P. Memon, A.R. Shaikh and M. A. Unar, "A Simple Technique of PID Excitation Control of Synchronous Generator", *Mehran University Research Journal of Engineering and Technology* Vol. 21, No. 01, Jan 2002.

A.R. Shaikh, Aslam. P. Memon and M. A. Unar, "Optimal Control Design for Load Frequency of an Isolated Power System", *Mehran University Research Journal of Engineering and Technology* Vol. 21, No. 02, Apr 2002.

Aslam. P. Memon, A.R. Shaikh and L. A. Memon, "Pole Placement Design for Load Frequency Control (LFC) of an Isolated Power System", *Peshawar University Research Journal of Engineering and Technology* Vol. 15, No. 01, Dec 2002.

Aslam. P. Memon, "Neural Network Excitation Control System for Transient Stability Analysis of Power System" published in

TENCON 2009 - 2009 IEEE Region 10 Conference, published January 2010.

T. Lachman,, Aslam P. Memon., Zubair Memon "Detection of Power Quality disturbances Using Wavelet Transform Technique" International Journal for the Advancement of Science and Arts, UCSI University, Malaysia, Vol. 01, No. 01, 2010, pp. 1-13.

Aslam P. Memon., M. Usman Keerio, and Zubair Memon "MATLAB/SIMULINK Based Wavelet Transform Technique in Waveform Distortion of Electrical Power Quality Problems", *Quid-e-Awam University Research Journal of Engineering, Science and Technology*, Vol. 10, No. 02, July-December 2011.

Aslam P. Memon., M. Aslam Uqaili, and Zubair Memon "Design of FFNN AVR for Enhancement of Power System Stability Using Matlab/Simulink", Mehran University Research Journal of Engineering and Technology, Vol. 31, No. 03, July, 2012.

Aslam P. Memon., M. Aslam Uqaili, and Zubair Memon "Wavelet Transform and ANNs for Detection and Classification of Power Signal Disturbances", *Mehran University Research Journal of Engineering and Technology,* Vol. 31, No. 4, October, 2012.

Aslam P. Memon., M. Aslam Uqaili, and Zubair Memon "Combined Approach of Probabilistic Neural Network and Time-Frequency as the classifier for Power System Transient Problems", Mehran University Research Journal of Engineering and Technology, accepted paper for Dec 2012.

Aslam P. Memon., M. Aslam Uqaili, and Zubair Memon, "Suitable Feed forward Neural Network Automatic Voltage Regulator for Excitation Control System", submitted, under processing in *Mehran University Research Journal of Engineering and Technology*.

Referees:

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